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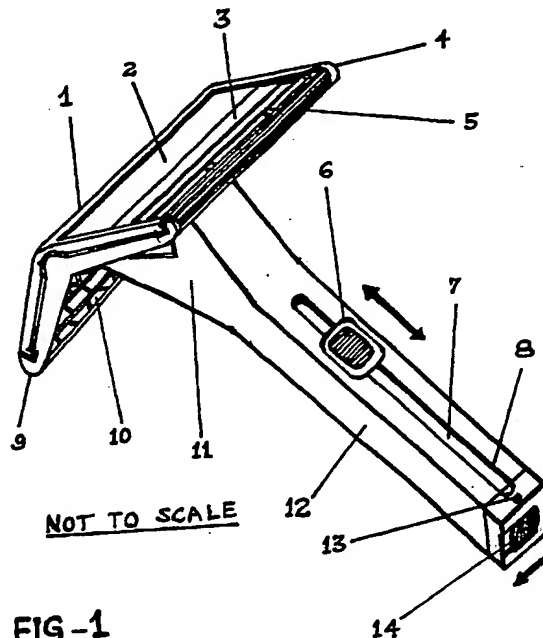
(56) Documents Cited
GB 1498640 A EP 0238333 A1 US 4314404 A

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(54) **Double bladed razor with fluid dispensers**

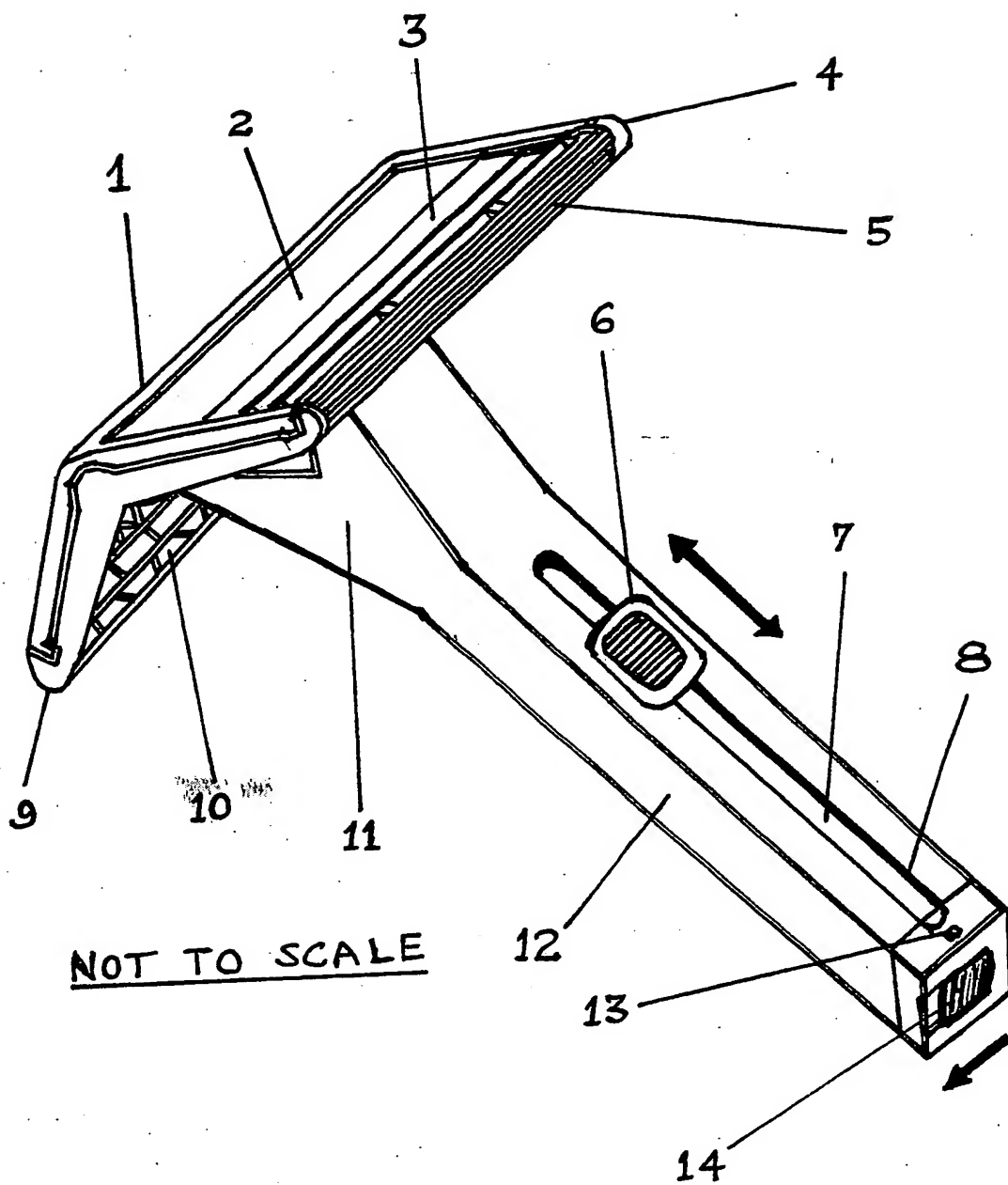
(57) A disposable double blade twin blade shaving razor with builtin supply of shaving gel, after shave lotion and dettol has two twin blades joined back to back at an angle to each other and then connected to a holding handle through a middle part. The holding handle consists of two hollow chambers joined back to back sharing a partitioning wall. The outer side of each chamber has a sliding groove in an opening in which a release knob slides down the groove which in turn releases the material contained in a packet in the chamber. This material may be either shaving gel or after shave lotion. Underneath the handle and facing downwards is provided a sliding cover which reveals an absorbant pad soaked in antiseptic, this sliding cover can return to its original position until required to be used again. The razor can be thrown away after it has been used.



At least one drawing originally filed was informal and the print reproduced here is taken from a later filed formal copy.

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1 FIG-1

DISPOSABLE DOUBLE BLADE TWIN BLADE SHAVING RAZOR WITH
BUILTIN SUPPLY OF SHAVING GEL, AFTER SHAVE LOTION AND
DETTOL

TECHNICAL FIELD

This invention relates to a disposable double blade twin blade shaving razor with builtin supply of shaving gel, after shave lotion and dettol.

BACKGROUND

Disposable shaving razors are well known instruments for having a shave, whereas shaving gel, after shave lotion and dettol are also commonly used with shaving. Each of these item is bought separately in a container or packing. However, all disposable shaving razors consist of a single twin blade. And shaving gel, after shave lotion and dettol have separate containers with some of them having attractive and expensive packing.

ESSENTIAL TECHNICAL FEATURES

According to the present invention there is provided a disposable shaving razor which consists of two twin blades joined back to back facing opposite to each other, at an angle, for smooth sliding against the face, for the purpose of shaving facial hairs. The handle has two chambers built within and joined back to back with a combined dividing wall.

One of the chamber holds a packet containing shaving gel to be released out through a non reverseable nozzle located at the bottom of the handle by sliding the knob on the side of the handle. This knob has a system which presses the shaving gel out through the non reverseable nozzle and slides down to the bottom of the handle. Similarly the handle has another chamber on the opposite side of the shaving gel chamber, which holds a packet containing after shave lotion to be released out through another non-reverseable nozzle located at the bottom of the handle by sliding the knob on the side of the handle. This knob has a system which presses the shaving gel out through the non reverseable nozzle and slides down to the bottom of the handle. There is a small cover located underneath the bottom of the handle facing downwards which slides to one side and reveals an absorbant pad containing dettol. Upon using the dettol the cover slides back in its original place, and can be opened and closed again in a similar manner as explained above, whenever required. A detailed drawing of the invention is shown in Fig 1, which

gives a three dimensional view of it from one side. The other side also shows same details with the following exceptions:

- (i) The small cover located underneath the handle would be the same but the direction of sliding of it would be opposite.
- (ii) The chamber will be the different chamber than the one showing in Fig 1 and it may hold, either the shaving gel or after shave lotion according to the fact that whatever is held in Fig 1 chamber. In one handle at a time one chamber will hold a packet of shaving gel while the other will hold a packet of after shave lotion.
- (iii) The twin blade will be different than the one showing in Fig 1, but with the same design.

The Fig 1 shows various parts of functioning of the invention, which are numbered and circled, the detailed explanation and function of each is given below:

- NUMBER 1 : Top part of the shaving razor consists of two twin blades joined to each other, back to back and at an angle.
- NUMBER 2 : Plain surface (for both blades, each having the same)
- NUMBER 3 : Twin blades made of steel (for both blades, each having the same)
- NUMBER 4 : Blade consisting of one twin blade (for both sides each having the same)
- NUMBER 5 : Grooves for smoothing of shaving gel foam before the blades cut the facial hairs (for both blades, each having the same)
- NUMBER 6 : Release knob which slides for releasing either the shaving gel or the after shave lotion, accordingly. (for both sides of the handle, each having the same)
- NUMBER 7 : Chamber for holding either a packet of shaving gel or a packet of after shave lotion, accordingly (for both sides of the handle, each having the same)

- NUMBER 8 : Sliding groove for the sliding knob for releasing the shaving gel or the after shave lotion, accordingly. (for both sides of the handle, each having the same)
- NUMBER 9 : Blade consisting of twin blades (for both sides, each having the same)
- NUMBER 10 : Opening for through flow of shaving gel foam (both blades each having the same). This space runs along the length of the blade.
- NUMBER 11 : Middle part of the shaving razor which joins the two twin blades with the holding handle having two slanting connecting protruders, giving strength and making the required angle of fixing of the two blades.
- NUMBER 12 : The main body of the handle consisting of two chambers joined back to back, one containing a packet of shaving gel and other containing a packet of after shave lotion. A partitioning wall between the chambers is shared by the two chambers, which separates the packets of the two chambers.
- NUMBER 13 : A non reverseable nozzle fitted within the handle located at the bottom of the handle as shown. There is a connecting piece of a very thin pipe between the packet containing either the shaving gel or the after shave lotion, accordingly, for flow of it through the non reverseable nozzle upon sliding the release knob (both sides of the handle, each having the same)
- NUMBER 14 : A sliding cover located underneath the handle facing downward. This can only slide to one side and upon sliding would reveal an absorbant material pad, soaked in dettol to be used for any facial cuts due to shaving. After using the dettol the sliding cover can be slid back to the original position.

This could be repeated as many times it is required.

CLAIMS

1. A disposable double blade twin blade shaving razor with builtin supply of shaving gel, after shave lotion and dettol comprising two twin blades for shaving and a holding handle for the razor both of which are joined by means of a middle part of the body of the shaving razor. All three parts are fixed rigid as shown in Fig 1.
2. A disposable double blade twin blade shaving razor with builtin supply of shaving gel, after shave lotion and dettol as claimed in Claim 1 wherein the twin blades are joined as one blade and the actual steel sharp edged blades are the two sides of same piece of metal acting as two different twin blades.
3. A disposable double blade twin blade shaving razor with builtin supply of shaving gel, after shave lotion and dettol as claimed in Claim 2 wherein the holding handle comprising of two hollow chambers built within the handle in such a way as joined back to back with the middle partition wall being shared by the both chambers, while the outer side of the both chambers each has a sliding groove for the sliding release knob, which slides from top of the groove to the bottom of the groove, which is also the bottom of the handle.
4. A disposable double blade twin blade shaving razor with builtin supply of shaving gel, after shave lotion and dettol as claimed in Claim 3 wherein each chamber has a sliding release knob which upon sliding down the groove on the outer side of the handle (see Fig 1) would have the means to press the packet containing either shaving gel or after shave lotion, releases out through the non reverseable nozzle which is connected to the packet by a small and thin pipe.
5. A disposable double blade twin blade shaving razor with builtin supply of shaving gel, after shave lotion and dettol as claimed in Claim 4 wherein it comprises of two non reverseable nozzles each located at the bottom of the handle on each outer side of the handle at the end of the sliding groove opening. This nozzle is connected to the packet of either the shaving gel or after shave lotion, accordingly via a small and thin pipe, the purpose of it is to keep the material within the packet unless released by sliding the release knob down along the sliding groove.

6. A disposable double blade twin blade shaving razor with built-in supply of shaving gel, after shave lotion and dettol as claimed in Claim 5 wherein it comprises of a small sliding cover located beneath the holding handle and it slides to one side only and returns back to original position, and upon sliding to the side this cover reveals an absorbant pad soaked in dettol.
7. A disposable double blade twin blade shaving razor with built-in supply of shaving gel, after shave lotion and dettol substantially as described herein with reference to Fig 1 of the accompanying drawings.

Patents Act 1977
Examiner's report to the Comptroller under Section 17
the Search report)

Application number
 GB 9402237.3

Relevant Technical Fields

Search Examiner
 H F YOUNG

- (i) UK CI (Ed.M) B4B (B31B, B34F)
 (ii) Int CI (Ed.5) B26B (21/14, 16, 18, 20, 44)

Date of completion of Search
 28 MARCH 1994

Databases (see below)

Documents considered relevant
 following a search in respect of
 Claims :-
 1-7

- (i) UK Patent Office collections of GB, EP, WO and US patent specifications.

(ii)

Categories of documents

- X: Document indicating lack of novelty or of inventive step. P: Document published on or after the declared priority date but before the filing date of the present application.
- Y: Document indicating lack of inventive step if combined with one or more other documents of the same category. E: Patent document published on or after, but with priority date earlier than, the filing date of the present application.
- A: Document indicating technological background and/or state of the art. &: Member of the same patent family; corresponding document.

Category	Identity of document and relevant passages	Relevant to claim(s)
A	GB 1498640 (WARNER) see Figure 3	1
A	EP 0238333 A1 (HOWE) see Figures 1-7	1, 2, 3
A	US 4314404 (RUIZ) see Figures 1, 2	1

Databases: The UK Patent Office database comprises classified collections of GB, EP, WO and US patent specifications as outlined periodically in the Official Journal (Patents). The on-line databases considered for search are also listed periodically in the Official Journal (Patents).